

# Comparisons of Job Characteristics

**Focus Occupation:** [First-Line Supervisors of Mechanics, Installers, and Repairers \(49-1011\)](#)

**Associated Occupation:** [Electrical Power-Line Installers and Repairers \(49-9051\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 67

**Focus Occupation:** First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

**Associated Occupation:** Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	16.9	15.9	0	Current knowledge level may be sufficient
Mechanical	6.8	14.0	19.8	>>	Current knowledge level is likely more than sufficient
Building and Construction	4.0	12.6	9.3	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	10.9	8.9	<	Expanded education and/or training may be required
Transportation	4.6	9.2	6.8	<<	Extensive education and/or training may be required
Design	5.2	8.0	9.1	>	Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 59

**Focus Occupation:** First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

**Associated Occupation:** Electrical Power-Line Installers and Repairers (49-9051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Troubleshooting	4.5	10.5	10.4	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.1	11.6	>	Skill level is likely sufficient
Operation Monitoring	6.6	9.8	10.1	0	Current skill level may be sufficient
Operation and Control	5.4	9.6	8.5	<	A higher skill level may be required
Repairing	3.4	9.6	10.0	0	Current skill level may be sufficient
Equipment Maintenance	3.5	7.9	10.1	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 60			
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Multilimb Coordination	6.0	12.2	9.0	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.1	8.7	<	Some improvement in abilities may be required
Manual Dexterity	6.5	10.8	7.7	<<	Extensive improvement in abilities may be required
Static Strength	5.0	10.3	6.3	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	9.7	7.0	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	9.5	5.3	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.4	3.8	<<	Extensive improvement in abilities may be required
Gross Body Coordination	3.9	7.9	5.2	<<	Extensive improvement in abilities may be required
Rate Control	3.8	7.9	4.8	<<	Extensive improvement in abilities may be required
Glare Sensitivity	2.6	5.5	4.8	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 44	
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)			
Work Activities		Exclusivity of Activity	
Read blueprints		10	
Read schematics		34	
Read technical drawings		7	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 77

**Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)**  
**Associated Occupation: Electrical Power-Line Installers and Repairers (49-9051)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computer printers	2
Computers	1
Content authoring and editing software	1
Information exchange software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.